# DTCM110-64H-AL

## C-mount Bi-telecentric Lens

- Optimized for 1/2.5"~1.1" C-Mount cameras;

- Largest FOV from 26mm upto 300mm;

- Excellent resolution for high pixel cameras;

- Low distortion, good telecentricity, big aperture and big depth of field for high end application.

| Optical Specifications | |
|---|---|
| Magnification (x) | 0.259 |
| Object Field of View (Φmm) | 64 |
| Working Distance (mm) | 158±3 |
| Max Sensor Size (Φmm) | 16.6(1") |
| Best Aperture (F/#) | 6.5 |
| Telecentricity typical (max) (deg) | <0.1 |
| Distortion typical (max) (%) | <0.1 |
| MTF30 (lp/mm) | >130 |
| Depth of Field (mm) | ±9.5@F16 |
| Length of I/O (mm) | 366±3 |

| Field of View  (mm × mm) | |
|---|---|
| 1" PYTHON 5000(12.43x9.83) | 48.0x38.0 |
| 1" IMX255(14.19x7.51) | 54.8x29.0 |
| 1" IMX183(13.13x8.76) | 50.7x33.8 |
| Mechanical Specifications | |
| Mount | C |
| Length (mm) | 190.5 |
| Weight (kg) | 0.9 |

| Compatible Lighting | |
|---|---|
| Telecentric LED Lighting | DTCL-64H-xW-y |
| | Beam Diameter 64Hmm |

Notes:

1. Depth of Field is calculated value, this value could be used for imaging test, but to get sharp image in application, half of calculated value is suggested.

2. Length of  I/O = WD + Length + Back Focal Length.